Table 4.9-1
List of rivers in Lahontan Region determined eligible for National Wild & Scenic River designation by federal land management agencies

Hydrologic Unit Number	Name of river/creek followed by managing agency	NF = National Forest; RA =USBLM Resource Area
601	Lee Vining Creek	Inyo NF
601	Mill Creek	Inyo NF
601	South Fork Mill Creek	Inyo NF
601	Upper Parker Creek	Inyo NF
603	Walker Creek	Inyo NF
603	Convict Creek	Inyo NF
603	Cottonwood Creek (Sierra Nevada)	Inyo NF
603	Fish Slough	Bishop RA
603	George Creek	Bishop RA
603	Glass Creek	Inyo NF
603	Hot Creek	Inyo NF & Bishop RA
603	Independence Creek	Bishop RA
603	Laurel Creek	Inyo NF
603	Lone Pine Creek	Inyo NF
603	McGee Creek	Inyo NF
603	Rock Creek	Inyo NF & Bishop RA
603	South Fork Bishop Creek	Inyo NF
603	Upper Owens River	Inyo NF
604	Cottonwood Creek (White Mountains)	Inyo NF
630	Atastra Creek	Bishop RA
630	Dog Creek	Bishop RA
630	East Walker River	Toiyabe NF
630	Green Creek	Bishop RA
630	Rough Creek	Bishop RA
630	Virginia Creek	Bishop RA
631	West Walker River	Toiyabe NF
632	East Fork Carson River	Toiyabe NF

Table 4.9-1 (continued)

List of rivers in Lahontan Region determined eligible for National Wild & Scenic River designation by federal land management agencies

Hydrologic Unit Number	Name of river/creek followed by managing agency	NF = National Forest; RA =USBLM Resource Area
634	Cold Creek	Tahoe NF
634	Martis Creek	Tahoe NF
634	Upper Truckee River	LTBMU
635	Alder Creek	Tahoe NF
635	Lower Truckee River	Tahoe NF
636	Independence Creek	Tahoe NF
636	Little Truckee River	Tahoe NF
636	Perazzo Canyon	Tahoe NF
636	Sagehen Creek	Tahoe NF

Table 4.9-2
SUGGESTED METHODS FOR EVALUATING
WETLAND FUNCTIONS AND VALUES

Function / Value	Suggested Methods of Evaluation
HYDROLOGY	
Surface Water Inflow/Outflow	Monitor flow rates; hydrological model of watershed dynamics (usually a simple model of extent of wetland, timing and volume of inputs, depth and duration of flooding, discharge from wetland); install and monitor staff gages.
Ground Water Discharge/Recharge	Monitor water levels in appropriate wells; Install and monitor piezometers; Model of watershed dynamics (see above).
Nutrient Supply and their limiting factors	Analyze soil texture and organic matter content; Determine soil and pore water nutrient concentrations; Sample inflowing and outflowing waters for nutrient concentrations (use to estimate nutrient removal); Survey for toxic substances; Conduct bioassays for limiting factors.
Flood Storage	Monitor water levels in relation to flow velocity; Model of watershed dynamics (see above).
Erosion/Accretion/Sedimentation	Measure in channels and in wetlands
Shoreline Stabilization	Map shoreline from aerial photographs; Install and monitor markers.
PRODUCTIVITY	Assess cover of floating or epibenthic algae by calculating change in biomass through time; also see "Plant Growth" below.
VEGETATION	
Plant Cover	Use aerial photographs to determine cover of dominant species; Verify aerial photograph determinations by using methods such as belt transect (forested wetlands), replicate transect (herbaceous wetlands), multiple quadrants (shrub dominated wetlands); Establish and use fixed point panoramic photograph locations.

continued...

(from National Research Council, 1992; Kusler and Kentula, 1990)

Table 4.9-2 (continued)
SUGGESTED METHODS FOR EVALUATING WETLAND FUNCTIONS AND VALUES

Function / Value	Suggested Methods of Evaluation
Plant Growth and its Limiting Factors	Measure end-of-season live standing crop (EOSL); use linestrip/elongated quadrant (to monitor survival and growth of weedy species); Assess/monitor organic matter composition; Measure soil redox potential; Measure nutrient content of inflowing waters; Establish and use fixed point panoramic photograph locations.
Sensitive Plant Species/Communities	Quantitatively survey populations of sensitive plant species; Determine life history characteristics to predict ability to survive in restored wetland (e. g., numbers, seed production and germination, seedling establishment, recruitment).
WILDLIFE / FISHERY HABITATS	Survey/censuses; Sample community composition, seasonally if necessary, including macroinvertebrate sampling (artificial substrate samplers); reliable observations (record habitat use and movements between habitats, identify areas for feeding, nesting, refuge, spawning, nursery.
Sensitive Species/Communities	Quantitatively survey populations; Determine life history characteristics to predict ability to survive.
RESILIENCE	Follow recovery of species impacted by environmental extremes; Establish and use fixed point panoramic photograph locations.
RESISTANCE TO INVASIVE EXOTICS	Map occurrence of weedy plants, and rank species abundance; census exotic animals and evaluate population (stable, declining, increasing).
RECREATION (Contact and non-water contact)	Survey recreational uses.
ECOLOGICAL WATERSHED CONTEXT	Use analytical models to evaluate the relationships between wetland, upland, and transitional areas in terms of factors such as flood control, habitat, and food chain support.

(from National Research Council, 1992; Kusler and Kentula, 1990)